

C-5.7 Preventive Maintenance Services

C-5.7.1 Scope of Work

The SP shall provide preventive maintenance services for select categories of Depot equipment including:

- GSE
- Ventilation Systems
- Hydronic Systems
- Industrial Plant Equipment
- HVAC&R.

The Government develops its preventive maintenance (PM) program IAW *NAVAVNDEPOTINST 4750.3, Preventive Maintenance Program for Depot Equipment and Facilities*. The PM program defines procedures, schedules, and technical requirements for preventive maintenance of select production equipment and facilities. PM job plans document detailed work instructions, directives, local engineering specifications (LES), and other applicable information.

The following sections cover each category of assets in the PM program. Associated technical exhibits provide the asset number, nomenclature, location, frequency of operation, and job plan number.

The Government will provide the SP FEMA work orders for PM work IAW applicable job plans and schedules. The SP shall perform all PM procedures IAW the FEMA work orders. After completing a FEMA work order, the SP shall note in the work order narrative all necessary additions, deletions, or corrections to the PM procedures.

C-5.7.1.1 Maintain Ground Support Equipment

The SP shall maintain ground support equipment (GSE) IAW *OPNAV 4790.2, NAMP*, procedures outlined in related technical publications, and Maintenance Requirement Card (MRC). The SP shall perform PM procedures on ground support equipment (TE 3.38) as outlined in associated job plans. See TE 3.38.1 for a sample of associated job plans.

C-5.7.1.1.1 Perform Hydraulic Fluid Sampling & Testing

The SP shall perform hydraulic fluid contamination control for GSE IAW *OPNAV 4790.2, Volume 2, Chapter 4.18* and *NAVAVNDEPOTINST 13440.1, Hydraulic Contamination Prevention and Control Program*. Due to critical flight safety requirements and stringent surveillance, the SP shall follow decontamination and purification procedures IAW *NA 01-1A-17, Aviation Hydraulics Manual*. The

Government will provide all necessary equipment and supplies including electronic particle counters and hydraulic purification units. Certification in Hydraulic Contamination Control Program is required for all SP personnel responsible for performing hydraulic sampling.

See TE 1.1/CDRL A027 – Hydraulic Contamination Analysis for detailed requirements.

C-5.7.1.2 Maintain Ventilation Systems

The SP shall maintain ventilation systems IAW *NAVAVNDEPOTINST 10230.1, Ventilation and Exhaust Equipment Maintenance and Operation Program* and FEMA work orders. The SP shall perform PM procedures on ventilation systems (TE 3.39) as outlined in associated job plans. See TE 3.39.1 for sample associated job plans.

C-5.7.1.3 Manage Hydronic Systems Cooling Water

The SP shall provide water treatment services for 41 recirculating hydronic systems at the Depot. The systems include 16 cold-water closed loop heat exchangers, 9 hot-water closed loop heat exchangers, and 16 open-loop evaporative cooling towers. See TE 3.40 for a list of hydronic systems and their specifications. TE 3.40.1 is a map locating each hydronic system through the NADEP.

In providing water treatment services, the SP shall manage cooling water to keep it free of biological organisms, maintain clean heat exchange surfaces, and prevent uniform and pitting corrosion²³. The SP shall also keep cold-water collection basins, hot-water basins, nozzles, fill, and drift eliminators clean.

The Depot's hydronic systems support equipment such as air compressors critical to production requirements. Therefore, the SP shall schedule hydronic system treatment, maintenance, and cleaning to avoid interference with production requirements. See C-5.3.1.9 with respect to SP notification of service reductions.

The SP shall keep cooling water treatment equipment, chemical containers, and immediate adjacent areas clean and free of debris and used containers. The SP shall keep only those chemical containers in immediate use at treatment sites.

To provide a baseline for SP water treatment services, the Government will clean and appropriately treat cooling water in the systems in TE 3.40 during the transition period. The Government shall also ensure all SP-operated water treatment equipment for those systems is in good operating condition. The Government and SP will jointly inspect the condition of the systems in TE 3.40

²³ Uniform corrosion is due to acids in cooling water. Pitting corrosion is due to deposits on metal surfaces. Water treatment can control uniform and pitting corrosion. Other forms of corrosion (e.g., galvanic, concentration cell, and erosion) are a function of system design and are less controllable by water treatment.

during the transition period. The Government will correct any significant problems noted during this inspection.

The SP shall monitor each system and provide periodic reports on:

- Potential corrosion for each system semiannually
- Closed loop cooling systems monthly
- Open loop cooling systems weekly.

The SP shall also provide FEMA work orders for maintenance related problems noted with hydronic systems or their associated chemical feed systems.

C-5.7.1.3.1 *Treat Cooling Water*

The SP shall manage cooling water chemistry to prevent:

- Formation of organisms (i.e., algae, fungi, or bacteria)
- Fouling of the watersides of closed loop heat exchange surfaces
- Fouling of the watersides of open loop heat exchange surfaces to a degree that cooled equipment cannot support scheduled production requirements
- Corrosion of cooling system components as indicated by the degree of metal coupon corrosion (see section below).

The SP shall provide all chemicals for water treatment. All chemicals shall meet federal, state, and local regulations for storage, use, and disposal. The SP shall store, use, and identify all chemicals IAW *NAVAVNDEPOTINST 5100.2, Occupational Safety and Health Manual*. The SP shall be responsible for disposal of all residual chemicals and containers that are hazardous waste in accordance with federal, state, and local regulations.

The climate at the Depot supports rapid development of organisms in exposed, untreated water. Organisms in sufficient concentrations will foul heat exchange surfaces. Certain organisms such as *Legionella Pneumophila* can cause sickness and death to exposed personnel. The SP shall monitor cooling water for the presence of *Legionella Pneumophila*.

The SP shall help minimize the overall cost of operating hydronic systems, in particular open loop systems. In doing so, the SP shall maximize the cycles of concentration of dissolved solids consistent with the requirement to prevent scaling and local feed water conditions. At the same time, the SP shall minimize the use of bleed off to conserve expensive make-up feed water. Typical feed water characteristics are in Table 5.7.1.3.

Table 5.7.1.3 - Typical MCAS Potable Water Characteristics

Parameter	Value	Date
Alkalinity (as HCO ₃)	169 mg/l	06-02
Chlorine	2.5 mg/l	NA
Fluoride	0.15 mg/l	10-01
Iron	<0.05 mg/l	10-01
Langelier Index	0.55	10-00
pH	7.4	06-02
Phosphate - Ortho	1.0 mg/l	10-01
Silica	28-32 mg/l	NA
Total Hardness (as CaCO ₃)	72 mg/l	06-02

C-5.7.1.3.2 Clean Cooling Towers

The SP shall keep cooling tower cold-water collection basins free of sediment and debris. SP shall also keep hot water basins, nozzles, fill, and drift eliminators clean so cooling water can flow through the system at rated amounts. The SP shall dispose of sediment, debris, and other material such as scale removed from hydronic systems in accordance with the provisions of C-3.3.5.

C-5.7.1.3.3 Monitor and Report

The SP shall install, maintain, and analyze corrosion coupons in each hydronic system. The SP shall provide a semiannual report to the DGR with information pertaining to corrosion for each hydronic system. The report shall detail:

- Types, numbers, and dates of coupon installations and readings
- Analysis methodology and results expressed as excess versus nominal corrosion rates
- Corrosion treatment schedule in the six months reported
- Planned corrosion treatment schedule based on coupon analysis for the next reporting period.

See TE 1.1/CDRL A028 – Corrosion Analysis Semiannual Report for detailed requirements.

The SP shall provide a monthly report to the DGR with information pertaining to each closed loop system. The report shall detail:

- Parameter readings (e.g., hardness, chlorides, alkalinity, dissolved solids, pH, conductivity, and residual chemicals) the SP uses to manage cooling water chemistry
- Treatment schedule and reasons for that schedule

- Results of the treatment schedule
- Planned treatment schedule for the next reporting period
- In each 12th report, the degree of observed fouling of heat exchange surfaces.

See TE 1.1/CDRL A029 - Closed Loop Systems Monthly Report for detailed requirements.

The SP shall provide a weekly report to the DGR with information pertaining to each open loop system. The report shall detail:

- Parameter readings (e.g., hardness, chlorides, alkalinity, dissolved solids, pH, conductivity, and residual chemicals) the SP uses to manage cooling water chemistry
- Treatment schedule and reasons for that schedule
- Results of the treatment schedule
- Planned treatment schedule for the next reporting period
- Degree of observed fouling of heat exchange surfaces
- Presence of and actions taken to remove debris or sediment in cold water collection basins
- Cleanliness of and actions taken to clean hot water basins, nozzles, fill, and drift eliminators.

See TE 1.1/CDRL A030 – Open Loop Systems Weekly Report for detailed requirements.

C-5.7.1.3.4 *Prepare FEMA Work Orders*

The SP shall prepare a FEMA work order for all discovered maintenance-related problems while treating cooling water or cleaning hydronic systems. Maintenance-related problems include fouling observed on waterside heat exchange surfaces.

C-5.7.1.4 *Maintain Industrial Plant Equipment*

The SP shall perform PM procedures on industrial plant equipment (TE 3.41) as outlined in associated job plans. See TE 3.41.1 for a sample of associated job plans.

C-5.7.1.5 Maintain Heating, Ventilation, Air Conditioning & Refrigeration Systems

The SP shall perform PM procedures on HVAC&R Equipment (TE 3.42) as outlined in associated job plans. See TE 3.42 for a sample of associated job plans.

C-5.7.2 Requirements

The SP shall perform the following:

- C-5.7.1.1 – Maintain Ground Support Equipment
 - Maintain GSE IAW *OPNAV 4790.2*, *NAMP*, procedures outlined in related technical publications, and Maintenance Requirement Card (MRC).
 - C-5.7.1.1.1 – Perform Hydraulic Fluid Sampling and Testing
 - Perform hydraulic fluid contamination control for GSE IAW *OPNAV 4790.2*, *Volume 2, Chapter 4.18* and *NAVAVNDEPOTINST 13440.1*, *Hydraulic Contamination Prevention and Control Program*. The SP shall follow decontamination and purification procedures IAW technical publication *NA 01-1A—17, Aviation Hydraulics Manual*.
- C-5.7.1.2 – Maintain Ventilation Systems
 - Maintain ventilation systems IAW *NAVAVNDEPOTINST 10230.1*, *Ventilation and Exhaust Equipment Maintenance Operation Program* and FEMA work orders.
- C-5.7.1.3 – Manage Hydronic Systems Cooling Water
 - C-5.7.1.3.1 – Treat Cooling Water
 - Manage cooling water chemistry to prevent:
 - Formation of organisms (i.e., algae, fungi, or bacteria)
 - Fouling of the watersides of closed loop heat exchange surfaces
 - Fouling of the watersides of open loop heat exchange surfaces to a degree that cooled equipment cannot support scheduled production requirements
 - Corrosion of cooling system components by cooling water as indicated by the degree of metal coupon corrosion.
 - C-5.7.1.3.2 – Clean Cooling Towers

- Keep cooling tower cold water collection basins free of sediment and debris.
- Keep hot water basins, nozzles, fill, and drift eliminators clean so cooling water can flow through the system at rated amounts.
- C-5.7.1.3.3 – Monitor and Report
 - Install, maintain, and analyze corrosion coupons in each hydronic system.
 - Provide a semiannual report to the DGR with information pertaining to corrosion for each hydronic system.
 - Provide a monthly report to the DGR with information pertaining to each closed loop system.
 - Provide a weekly report to the DGR with information pertaining to each open loop system.
- C-5.7.1.3.4 – Prepare FEMA Work Orders
 - Prepare FEMA work orders for all maintenance-related problems discovered while treating cooling water or cleaning hydronic systems.
- C-5.7.1.4 – Maintain Industrial Plant Equipment
 - Perform PM procedures on industrial plant equipment as outlined in associated job plans.
- C-5.7.1.5 – Maintain Heating, Ventilation, Air Conditioning, and Refrigeration Systems
 - Perform PM procedures on HVAC&R equipment as outlined in associated job plans.

C-5.7.3 Performance Requirements Summary

C-5.7 Preventive Maintenance Services			
Requirements	Performance Requirements Summary		
C-5.7.1.1 – Maintain Ground Support Equipment	Quality	AQL	Lot
Maintain GSE IAW <i>OPNAV 4790.2</i> , <i>NAMP</i> , procedures outlined in related technical publications, and Maintenance Requirement Card (MRC)	Work performed completely and accurately IAW technical and quality requirements of each work order	5%	Monthly
	Timeliness	AQL-MAX	
	Work accomplished IAW start and completion dates on the work order	5% – Max is same as standard	
C-5.7.1.1.1 – Perform Hydraulic Fluid Sampling and Testing	Quality	AQL	Lot
Perform hydraulic fluid contamination control for GSE IAW <i>OPNAV 4790.2</i> , <i>Volume 2</i> , <i>Chapter 4.18</i> and <i>NAVAVNDEPOTINST 13440.1</i> , <i>Hydraulic Contamination Prevention and Control Program</i> . The SP shall follow decontamination and purification procedures IAW <i>NA 01-1A-17</i> , <i>Aviation Hydraulics Manual</i> .	Work performed completely and accurately IAW technical and quality requirements of each work order	5%	Monthly
	Timeliness	AQL-MAX	
	Work accomplished IAW start and completion dates on the work order	5% – Max is same as standard	
C-5.7.1.2 – Maintain Ventilation Systems	Quality	AQL	Lot
Maintain ventilation systems IAW <i>NAVAVNDEPOTINST 10230.1</i> , <i>Ventilation and Exhaust Equipment Maintenance Operation Program</i> and FEMA work orders	Work performed completely and accurately IAW technical and quality requirements of each work order	5%	Monthly
	Timeliness	AQL-MAX	

C-5.7 Preventive Maintenance Services			
Requirements	Performance Requirements Summary		
	Work accomplished IAW start and completion dates on the work order	5% – Max is same as standard	
C-5.7.1.3 – Manage Hydronic Systems Cooling Water	Quality	AQL	Lot
C-5.7.1.3.1 – Treat Cooling Water			
Manage cooling water chemistry to prevent: <ul style="list-style-type: none"> • Formation of organisms (i.e., algae, fungi, or bacteria) • Fouling of the watersides of closed loop heat exchange surfaces • Fouling of the watersides of open loop heat exchange surfaces to a degree that cooled equipment cannot support scheduled production requirements • Corrosion of cooling system components by cooling water as indicated by the degree of metal coupon corrosion 	No organisms (i.e., algae, fungi, or bacteria) present as reported in each monthly or weekly report No fouling observed in any closed loop system as reported in each 12 th monthly report No disruptions to scheduled production requirements due to fouling of any open loop systems No indicated corrosion in any hydronic system as measured by the degree of metal coupon corrosion in excess of nominal as reported in each semiannual report	2%	Monthly (except every 12 th month for closed loop fouling)
	Timeliness	AQL-MAX	
	Appropriate water treatment performed as indicated by recorded readings no later than COB of the first weekday after readings indicate need for action	2% – No later than COB of second workday after readings indicate need for action	
C-5.7.1.3.2 - Clean Cooling Towers	Quality	AQL	Lot
Keep cooling tower cold water collection basins free of sediment and debris	Each cooling tower cold water collection basin free of sediment and debris as reported in weekly reports	2%	Monthly

C-5.7 Preventive Maintenance Services			
Requirements	Performance Requirements Summary		
Keep hot water basins, nozzles, fill, and drift eliminators clean so cooling water can flow through the system at rated amounts	Each cooling tower hot water basins, nozzles, fill, and drift eliminators clean as reported in weekly reports		
	Timeliness	AQL-MAX	
	Cleaning actions performed as indicated by inspections no later than COB of the first weekday after inspections indicate need for action	2% – Appropriate cleaning actions performed as indicated by inspections no later than COB of the second weekday after inspections indicate need for action	
C-5.7.1.3.3 - Monitor and Report	Quality	AQL	Lot
Install, maintain, and analyze corrosion coupons in each hydronic system	Coupons installed and maintained in each hydronic system	2%	Monthly
	Timeliness	AQL-MAX	
	Coupons reinstalled by COB same day after removal for reading	2% - Coupons reinstalled COB next working day after removal for maintenance	
Provide a semiannual report to the DGR with information pertaining to corrosion for each hydronic system	Quality	AQL	Lot
	Semiannual report complete and accurate for each hydronic system	1%	Semi-annual
	Timeliness	AQL-MAX	
	Report submitted IAW CDRL A028	1% - First workday of the following workweek	

C-5.7 Preventive Maintenance Services			
Requirements	Performance Requirements Summary		
Provide a monthly report to the DGR with information pertaining to each closed loop system	Quality	AQL	Lot
	Monthly report complete and accurate for each closed loop hydronic system	1%	Monthly
	Timeliness	AQL-MAX	
	Report submitted IAW CDRL A029	1% - First workday of the following workweek	
Provide a weekly report to the DGR pertaining to each open loop system	Quality	AQL	Lot
	Weekly report complete and accurate for each open loop hydronic system	1%	Monthly
	Timeliness	AQL-MAX	
	Report submitted IAW CDRL A030	1% - First workday of the following workweek	
C-5.7.1.3.4 – Prepare FEMA Work Orders	Quality	AQL	Lot
Prepare FEMA work order for all discovered maintenance-related problems while treating cooling water or cleaning hydronic systems	FEMA work orders prepared completely and accurately IAW CDRL A018	5%	Monthly
	Timeliness	AQL-MAX	
	FEMA work orders prepared within 1 hour	5% - 4 hours or by end of shift whichever is sooner	
C-5.7.1.4 – Maintain Industrial Plant Equipment	Quality	AQL	Lot
Perform PM procedures on industrial plant equipment as outlined in associated job plans	Work performed completely and accurately IAW technical and quality requirements of each work order	5%	Monthly
	Timeliness	AQL-MAX	

C-5.7 Preventive Maintenance Services			
Requirements	Performance Requirements Summary		
	Work accomplished IAW start and completion dates on the work order	5% – Max is same as standard	
C-5.7.1.5 – Maintain HVAC&R Systems	Quality	AQL	Lot
Perform PM procedures on HVAC&R systems as outlined in associated job plans	Work performed completely and accurately IAW technical and quality requirements of each work order	5%	Monthly
	Timeliness	AQL-MAX	
	Work accomplished IAW start and completion dates on the work order	5% – Max is same as standard	

C-5.8 Command Support Services**C-5.8.1 Scope of Work****C-5.8.1.1 Provide Destructive Weather Services**

The SP shall maintain a roster of designated personnel for destructive weather support as required by *NAVAVNDEPOTINST 3140.1, Destructive Weather Plan*. The roster shall include a minimum of 15 employees with the appropriate mix of trade backgrounds, talent, and manpower to minimize damage to equipment and facilities. The roster shall also include the home address, telephone number, and job title of the employees listed.

The SP shall submit this roster for approval to the DGR within 15 days of the beginning of the first performance period. The SP shall report any roster changes to the DGR within 3 days of the change.

See TE 1.1/CDRL A031 – Destructive Weather Planning Roster for detailed requirements.

Under destructive weather conditions, the SP shall provide personnel from the roster as well as other personnel as directed by the DGR. Section C-1.5.4 of this PWS covers the use of SP personnel under destructive weather conditions.

C-5.8.1.2 Provide Special Event Support

The Depot supports special event parades, change of commands, civic events, and other events requiring assistance for setup and tear down. The SP shall provide construction of wood staging, booths, steps, platforms, and handrails; temporary installation of signs, banners, and barricades; setup and arrangement of five to ten portable tables and up to three hundred chairs; and setup of portable generators, lights, and electrical outlets. The Government will provide all necessary materials, equipment, vehicles, and weight handling equipment for use by the SP to transport materials and equipment to and from event locations. Upon completion of each event, the SP shall dismantle, transport, and return all government property to its appropriate storage location.

See TE 3.43 for a list of special event support work orders for fiscal year 2001.

C-5.8.1.3 Provide Public Address System Services

The Depot hosts various meetings, conferences, training sessions, and guest speakers requiring temporary installation of audio systems. The SP shall provide the setup, adjustment, and monitoring of audio systems at various locations to include NADEP buildings as well as the surrounding community of Havelock and Newport, NC. Environments range from wide-open hangar spaces and outdoors to small class and conference room locations. The SP shall provide continuous monitoring of the systems for the duration of each event. The SP shall maintain

volume levels, clarity, and sound quality to meet the surrounding environmental conditions for each activity.

See TE 3.44 for a list of public address system work orders for fiscal year 2001.

C-5.8.2 Requirements

The SP shall perform the following:

- C-5.8.1.1 – Provide Destructive Weather Services
 - Maintain a roster of designated personnel for destructive weather support as required by *NAVAVNDPOTINST 3140.1, Destructive Weather Plan*.
 - Under destructive weather conditions, provide personnel from the roster as well as other personnel as directed by the DGR.
- C-5.8.1.2 – Provide Special Event Support
 - Provide construction of wood staging, booths, steps, platforms, and handrails; temporary installation of signs, banners, and barricades; setup and arrangement of five to ten portable tables and up to three hundred chairs; and setup of portable generators, lights, and electrical outlets.
- C-5.8.1.3 – Provide Public Address System Services
 - Provide setup, adjustment, and monitoring of audio systems at various locations to include NADEP buildings as well as the surrounding community of Havelock and Newport, NC.

C-5.8.3 Performance Requirements Summary

C-5.8 Command Support Services			
Requirements	Performance Requirements Summary		
C-5.8.1.1 – Provide Destructive Weather Services	Quality	AQL	Lot
Maintain a roster of designated personnel for destructive weather support as required by NAVAVNDEPOTINST 3140.1_, Destructive Weather Plan	Roster is complete and accurate	1%	Monthly
	Timeliness	AQL-MAX	
	Roster submitted for approval to the DGR within 15 days of the beginning of the first performance period	1% – Max same as standard	
	Roster changes reported to the DGR within 3 days		
Under destructive weather conditions, provide personnel from the roster as well as other personnel as directed by the DGR	Quality	AQL	Lot
	Personnel provided IAW FEMA work orders and direction of DGR for appropriate protective measures taken during destructive weather conditions to protect equipment, facilities, building, and all other Depot assets	0%	Monthly
	Timeliness	AQL-MAX	
	Work accomplished IAW start and completion dates on the work order	0% – Max same as standard	
C-5.8.1.2 – Provide Special Event Support	Quality	AQL	Lot
Provide construction of wood staging, booths, steps, platforms, and handrails; temporary installation of signs, banners, and barricades; setup and arrangement of five to ten portable tables and up to three hundred chairs; and setup of portable generators, lights, and electrical outlets	Work performed completely and accurately IAW technical and quality requirements of each work order and all instructions of the designated Government event coordinator	5%	Annually
	Timeliness	AQL-MAX	

C-5.8 Command Support Services			
Requirements	Performance Requirements Summary		
	Work accomplished IAW start and completion dates on the work order	5% – Max is same as standard	
C-5.8.1.3 – Provide Public Address System Services	Quality	AQL	Lot
Provide setup, adjustment, and monitoring of audio systems at various locations to include NADEP buildings as well as the surrounding community of Havelock and Newport, NC	Work performed completely and accurately IAW technical and quality requirements of each work order and all instructions of the designated Government event coordinator	5%	Annually
	Timeliness	AQL-MAX	
	Work accomplished IAW start and completion dates on the work order	5% – Max is same as standard	

Section - 6 **Applicable Directives & Forms**

C-6.1 **Applicable Directives**

Directives pertaining to this PWS are available on-line at:
<https://padap.nadepcp.navy.mil/>

The Web site lists the documents the Depot believes are most relevant to a prospective SP whether they are a private sector business or a Government offeror. Be advised that for any site, the dynamic nature of the Web Link is such that links may be outdated quickly and content can change frequently. In any event, Section C-6 of this PWS lists the complete set of documents applicable to performing IM services at the Depot.

It is not cost-effective for the Depot to reproduce multiple copies of the entire set of directives and forms for all prospective offerors. Some of the documents are voluminous and difficult to reproduce. Others are online only or applicable to only a Government offeror. To be fair to all offerors, the Government will make available at the Depot, documents they control for reading or copying.

Offerors must still obtain commercial documents and those provided by agencies other than the MCAS/Depot from the appropriate agency directly. Examples of such documents include Microsoft Office manuals. To the extent possible, the Web site includes pointers to other agency sites.

Please note that instructions on the Web site indicate that if one cannot retrieve a document electronically, the Depot will make it available. Offerors must identify the document(s) desired. Per instructions on the Web site, "Directives/Forms will be made available in paper copies to requestors upon submission of a written request specifying directive/form number and nomenclature."

Offerors may submit a request by letter to the DGR concerning the specific item(s) the offeror wishes to review and the date and time the offeror wishes to review the item(s). At least four days notice is required. To arrange access to the base for a site visit, at least two days in advance, a prospective SP must provide the same information as required for specific item review. The DGR will provide written notification to the requestor indicating the date, time, and location of a scheduled appointment.

The Government will make documents available to offerors at Depot Cherry Point between the hours of 0700-1530, on weekdays (except holidays). During the viewing, the Depot will provide offerors use of a copier to make copies.

Note: In the Tables below, an underscore ("_") at the end of a document indicates the SP should use latest version of the document. Updates to NAVAVNDEPOTINSTs become NAVAIRDEPOTINSTs.

Table 6.1 - Applicable Directive

Number	Title	Reference
29 CFR 1910	Occupational Safety, and Health Administration (OSHA) General Industry Standards	C-5.4.1.5 C-5.6.1.3
29 CFR 1910.147	Lockout/Tagout of Hazardous Energy Sources	
ANSI/ISO/ASQC 9001-19949001-2000	American National Standard Quality Management Systems	
AS9100	ISO 9001:2000	
ASHRAE Standard 52-76	Method of Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter	
CP 05-2-EE-9379 Rev A	Metallurgical Local Process Specification – Pyrometric Controls and Testing Requirements for Equipment Used for the Thermal Processing of Metal Aircraft Components	
CP 09-3-R-5948	Inspection and Testing Local Process Specification	C-5.4.1.5 C-5.6.1.3
CP 15-0-Z-7691	Industrial Equipment Local Engineering Specification – Sampling Measurement and Control of Hydraulic System Contamination	
CRAZY ALPHABET	Naval Aviation Depot Cherry Point NC Crazy Alphabet	
DOD 4145.19R	Storage and Warehousing Facilities and Services	
DODD 4500.36_	Management, Acquisition and Use of Motor Vehicles	
DOT-4BA-350	Testing and Certification of Storage Cylinders	
FAR Clause 52.216-5	Price Redetermination - Prospective	
MCAS O 5300.2_	MCAS Work Force Dismissal/Excuse Due to Emergency Weather	C-1.5.4.6
MCAS P11240.12_	Standing Operating Procedure for Garrison Mobile Equipment (GME).	
MCO 11240.66_	Standard Licensing Procedures for Operators of Military Motor Vehicles	
MCO 5510.15	Security of Marine Corps Installations and Resources	C-1.5.7.1
NAVAIR 00-80T-109_	Shore Activity Facilities and Equipment	
NAVAIR 00-80T-96_	U. S. Navy Support Equipment Basic Handling & Safety Manual	
NAVAIR 01-1A-3A	Aeronautical and Support Equipment Welding	C-5.4.1.5 C-5.6.1.3
NAVAIR 17-1-537	Aircraft Restraining Devices and Related Components	C-5.4.1.5 C-5.5.1.2 C-5.6.1.3
NAVAVNDEPOTINST 10230.1_	Ventilation and Exhaust Equipment Maintenance Program	C-5.7.1.2

Number	Title	Reference
NAVAVNDEPOT Secure VTC	Department of the Navy, Naval Air systems command, Video Teleconferencing Center Operating Procedures, August 1, 1994	
NAVAVNDEPOTINST 10126.1_	Controlling, Issuing, and Laundering Coverall and Foul Weather Clothing	
NAVAVNDEPOTINST 10290.1_	Tool Control Program	C-3.2.2
NAVAVNDEPOTINST 10345.2_	Aviation Fuel Contamination Prevention	
NAVAVNDEPOTINST 11000.1_	Facilities Management Program	
NAVAIRDEPOTINST 11016.1_	Plant Property Acquisition, Inventory Control, and Disposal	C-3.1.2 C-3.1.3
NAVAIRDEPOTINST 11100.1_	Environmentally Controlled Facilities (Clean rooms)	C-5.6.1.6.1
NAVAVNDEPOTINST 11300.1_	Service, Equipment, or Facility Request	
NAVAVNDEPOTINST 11300.2_	Energy Conservation Program	C-3.3.1 C-5.3.1.2 C-5.6.1.6
NAVAVNDEPOTINST 11320.1_	Fire Protection Plan	C-1.5.7.8 C-5.4.1.5 C-5.6.1.3
NAVAVNDEPOTINST 11450.1_	Weight Handling Equipment Management Program	C-5.5.1.1 C-5.6.1.1.3
NAVAVNDEPOTINST 12000.2_	Leave Manual	
NAVAVNDEPOTINST 12000.4_	Incentive Awards Program	
NAVAVNDEPOTINST 12200.1_	Solicitation and the Conduct of Personal Commercial Affairs at NADEP CP	
NAVAVNDEPOTINST 12335.1_	Merit Promotion Selections	
NAVAIRDEPOTINST 12335.2_	Request for Accommodation of Personal Hardship	
NAVAIRDEPOTINST 12410.10_	Voluntary Employee Training	
NAVAVNDEPOTINST 12430.1_	Performance Management Program	
NAVAVNDEPOTINST 12531.2_	Environmental Pay Differential for Wage Grade Employees	
NAVAVNDEPOTINST 12720.1_	Equal Employment Opportunity (EEO)	
NAVAVNDEPOTINST 12771.1_	Administrative Grievance System	
NAVAVNDEPOTINST 12810.1_	Federal Employee Compensation Act	
NAVAVNDEPOTINST 13440.1_	Hydraulic Contamination, Prevention, and Control Program	C-5.7.1.1.1
NAVAIRDEPOTINST 2060.1_	Operation and Security of Depot Telephone Equipment	
NAVAVNDEPOTINST 2302.1_	Radio Equipment	
NAVAIRDEPOTINST 3140.1_	Destructive Weather Plan	C-1.5.4.6 C-1.5.7.9 C-5.8.1.1
NAVAVNDEPOTINST 3710.1_	Air Operations Standard Operating Procedures (SOP)	

Number	Title	Reference
NAVAVNDEPOTINST 4030.1_	Preservation, Packaging, and Packing Program	
NAVAVNDEPOTINST 4266.1_	Alternate Source Qualification (ASQ) Program	
NAVAVNDEPOTINST 4355.1_	Naval Aviation Depot Metrology and Calibration (METCAL) Program	C-3.2.2.7
NAVAVNDEPOTINST 4460.1_	Parts and Material Handling	
NAVAIRDEPOTINST 4500.2_	Survey Procedures	
NAVAIRDEPOTINST 4650.1_	Travel Management Program	
NAVAVNDEPOTINST 4750.3_	Preventive Maintenance Program for Depot Equipment and Facilities	C-5.7.1
NAVAIRDEPOTINST 4750.4_	Slings and Lifting Devices	C-5.4.1.5 C-5.6.1.3
NAVAVNDEPOTINST 4790.11_	Foreign Object Damage (FOD) Prevention Program	C-3.3.10
NAVAVNDEPOTINST 4790.7_	Management & Licensing of Aviation Support Equipment and Government Motor Vehicles	
NAVAIRDEPOTINST 4790.9_	Electrostatic Discharge (ESD) Control/Prevention Program	
NAVAVNDEPOTINST 4840.1_	Material Control Manual (Paper Copy Only)	C-5.1.1.3
NAVAVNDEPOTINST 4840.4_	Mixing, Storing, & Distribution of Premixed and Frozen Sealants and Adhesives	
NAVAIRDEPOTINST 4855.1_	ISO 9002 Quality System Manual	
NAVAIRDEPOTINST 4855.8_	Quality Assurance Procedures	
NAVAVNDEPOTINST 5090.1_	Resource Recovery – Qualified Industrial Recycling Program (QIRP)	C-3.3.6
NAVAVNDEPOTINST 5090.2_	Oil and Hazardous Substance Spill Contingency Plan	
NAVAIRDEPOTINST 5090.3_	Handling of Hazardous Waste and Spent Hazardous Materials	
NAVAVNDEPOTINST 5100.13_	NAVAVNDEPOT Emergency Medical Technician Program	
NAVAVNDEPOTINST 5100.2_	Occupational Safety, and Health Manual	C-1.5.8.1 C-1.5.8.2 C-5.1.1.3 C-5.7.1.3.1
NAVAIRDEPOTINST 5102.1_	Unified Emergency Response Plan	
NAVAVNDEPOTINST 5211.2_	Privacy Act	
NAVAIRDEPOTINST 5213.2_	Forms Management Program	
NAVAIRDEPOTINST 5215.1_	Regulations Controls	
NAVAVNDEPOTINST 5216.5_	Correspondence Management	
NAVAVNDEPOTINST 5218.1_	Mail Management	
NAVAVNDEPOTINST 5220.8_	Industrial Operation Standards and Process Improvement Program (IOSPIP)	
NAVAVNDEPOTINST 5224.2_	Customer Satisfaction Program	

Number	Title	Reference
NAVAVNDEPOTINST 5305.1_	Progress Improvement Criteria (PIC) Program	
NAVAVNDEPOTINST 5330.2_	Civilian Overtime, Civilian Compensatory Time, Travel Time Administration	
NAVAIRDEPOTINST 5355.1_	Drug Free Work Place Program (DFWP)	C-1.5.3.6
NAVAVNDEPOTINST 5370.3_	Fraud, Waste, and Abuse Hotline	C-1.5.3.1
NAVAVNDEPOTINST 5451.1_	Manual of Organization	
NAVAVNDEPOTINST 5500.1_	Security Manual	C.1.5.3.8.1 C.1.5.3.10 C-1.5.7.3
NAVAVNDEPOTINST 5501.2_	Use of Personal Radios and Cellular Personal Telephones	
NAVAIRDEPOTINST 5510.9_	Emergency Recall List	
NAVAVNDEPOTINST 5560.1_	NAVAVNDEPOT Parking Policy	
NAVAIRDEPOTINST 5603.1_	Defense Automated Printing Services Reprographics Facility	
NAVAVNDEPOTINST 5605.5	Technical Data Control Manual	
NAVAIRDEPOTINST 5720.1_	Freedom of Information Act (FOIA)	
NAVAVNDEPOTINST 5720.2_	Public Affairs Policy Guidance	
NAVAVNDEPOTINST 5720.4_	Business Sensitive Information (BSI) Handling Procedures	
NAVAVNDEPOTINST 5780.1_	Control of Depot Bulletin Boards	
NAVAVNDEPOTINST 7210.1_	Government Wide Commercial Purchase Card (GCPC) Services Program	
NAVAIRDEPOTNOTE 12000_	Proper Wearing Apparel for NAVAIRDEPOT Employees	C-1.5.3.5
NAVCOMP 1000.3	Appropriation, Cost and Accounting Manual	
NAVFAC MO-114	Maintenance and Operation of Ventilation Systems	C-5.6.1.6.3
NAVFAC MO-118	Inspection of Vertical Transportation Equipment, 01 October 1988	
NAVFAC P-300	Management of Civil Engineering Support Equipment	
NAVFAC P-307	Management of Weight Handling Equipment	C-5.4.1.5 C-5.5.1.1 C-5.6.1.1.3
NAVICPINST 10490.4	Material Handling Equipment (MHE)	
NAVSUPINST 10490.33_	Material Handling Equipment Administration	
NAVSUP Inst. 4200.85	Simplified Acquisition Procedures	
OPNAVINST 4650.1_	Policies and Procedures for Official Temporary Duty Travel to Military and Civilian Installations, Activities and Units	
OPNAVINST 4790.2_	Naval Aviation Maintenance Program (NAMP)	C-5.6.1.2.1 C-5.6.1.2.1 C-5.6.1.2.3 C-5.7.1.1

Number	Title	Reference
OPNAVINST 5090.1_	Environmental And Natural Resources Program Manual	
OPNAVINST 5100.12_	Issuance of Navy Traffic Safety Program	
OPNAVINST 5102.1_	Mishap Investigation and Reporting	
SECNAVINST 5090.5_	Management And Elimination Of Ozone Depleting Substances	
SECNAVINST 5216.5_	DON Correspondence Manual	
SECNAVINST 5370.5_	DoD/Navy Hotline Program	
SLINGS 17-1-114.CP_	NADEP CP Usage of Slings and Lifting Devices	
TM-4700-15/1	Ground Equipment Record Procedures	
	Air Pollution Control Equipment Operations and Maintenance Plan	
	American Society of Mechanical Engineers Boiler and Pressure Vessel Sec. IX, Qualification Standards for Welding and Brazing Procedures, Welders, Brazers, and Welding Brazing Operators	C-5.4.1.5 C-5.6.1.3
	American Welding Society Specification for Fusion Welding and Aerospace Applications, D17.1	C-5.4.1.5 C-5.6.1.3
	Competency Aligned Organization (CAO) Code Listing	
	Defense Industrial Financial Management System (DIFMS) Time and Attendance Daily Labor Correction Process (DLCP)	
	Depot "911" Emergency Response Grid System	C-5.1.2
	Desktop Guide for Credit Card Holders	
	Federal Acquisition Regulations	
	Illustrated Parts Breakdown for Ground Support Equipment	
	Joint Travel Regulations (JTR), volume 2, Department of Defense Civilian Personnel, Current Edition	C-1.5.15
	Management Representative Position Description	
	MGT Users Manual	
	Microsoft Office Professional Manual	
	Microsoft Outlook Users Manual	
	NAVAIR Overhaul and Repair Manuals	
	Naval Air Depot Cherry Point NC On-line Phone Book	
	Naval Aviation Depot Cherry Point NC TQM Organizational Duties and Responsibilities Guide	

Number	Title	Reference
	Periodic Maintenance Card for Ground Support Equipment (MRC)	
	Plant Services Division Quality System Procedures	
	Software Users Manual for Training Management System (TMS)	

C-6.2 Applicable Technical Publication*Table C-6.2 – Applicable Technical Publications*

Document Number	Title	Basic Date	Reference
A1-580AB-IPB-400	Pneumatic & Shaft Power Gas Turbine Engine	6/1/87	C-5.6.1.2.5
A1-580AB-MMI-200	Pneumatic & Shaft Power Gas Turbine Engine	6/1/87	C-5.6.1.2.5
A1-H53AD-GSE-000	Special Support Equipment	5/1/86	
A1-H53BE-MIB-000	Airframe-Volume 1	3/30/84	
AG-140BA-MIB-000	Hydraulic Fluid Service Unit	6/1/85	
AG-300PA-460-100	Tank Adapter Cradle	6/15/82	
AG-711BA-MAB-000	Fluid Purifier	2/15/84	
AG-720AO-S15-000	Pump Dispenser. Hand Driven	7/15/85	
AG-750AO-MRC-000	Checklist for Nitrogen Servicing Unit	10/1/92	
AG-750AO-OMM-000	Nitrogen Servicing Cart		C-5.6.1.2.6
AG-900PA-MRC-000	Peculiar Ground Support Equipment (Sikorsky Aircraft)	10/31/89	
AO-410JC-MRC-100	Mask Hose Blower Kit	9/30/97	
AO-410JC-MRC-200	Mask Hose Blower Kit	9/30/97	
AO-410JC-OMP-000	Intermain W/PB Mask Hose Blower Kit	7/31/97	
CLARK-HURTH	Planetary Drive Steer Axle Dry Disc Brakes	1/1/94	
CSE-05-600-1	Aircraft Work Stands (H46, H53, F4, C130 and AV8)	3/10/98	
CSE-06-600-1	Dolly, Intermediate Gearbox	4/21/98	
CSE-07-600-1	Blade Carts 18E2364-1 (P-3 and E-2)	6/1/98	
CSE-10-600-1	Tail Rotor Blade Transportation Dolly	2/1/99	
CSE-11-600-1	Blade Cart	2/2/99	
CUMMINS	B Series Engine, Miscellaneous, Bulletin #3884222-02		
CUMMINS	B Series Engine, Operation and Maintenance Manual Diesel, Bulletin #3810206-01		
FOD CONTROL CORP	Fodbuster-Operation Manual, Model RS-48		
JOHN DEERE	OEM Diesel Engines	3/2/93	

Document Number	Title	Basic Date	Reference
KALAMAZOO MFG.	K45-B Platform Truck, K45A10		
KALAMAZOO MFG.	K-615 Platform Truck, TM-K-615		
KALAMAZOO MFG.	Truck Fixed Platform Powered Gasoline Pneumatic Rubber Tires	4/5/82	
NA 00-25-100	Tech Manual Program Naval Air Systems Command	8/1/00	
NA 00-80T-96	US Navy Support Equip Basic Handling & Safety Manual	4/1/96	
NA 01-1A-17	Aviation Hydraulics Manual	8/1/96	C-5.7.1.1.1
NA 01-1A-20	Aviation Hose Assembly and Tube Repair	7/1/83	
NA 01-1A-509	AC Weapons Systems Cleaning and Corrosion Control	5/1/96	
NA 01-75GAD-4-9	Special Support Equipment	1/15/88	
NA 01-75GAE-4-9	Special Support Equipment IPB	12/1/89	
NA 16-30AWA6-1	Colling Pumping Group	2/15/61	
NA 17-1-123	Tire Inflator/Remote Inflator Assembly	3/1/98	
NA 17-1-125	Ground Support Equipment	3/15/00	
NA 17-1-129	Support Equipment Tire and Wheel Assemblies	8/1/95	
NA 17-1-537	Aircraft Handling Equipment Operation	10/1/91	
NA 17-15A-30	Bleed Air System Hydrostatic Tester	5/15/69	
NA 17-15AE-9	Lube Supply Flow Tester	6/1/67	
NA 17-15BA-241	Dummy Load, Electrical with IPB	12/1/80	
NA 17-15BF-76	Portable Hydraulic Power Supply	7/1/89	
NA 17-15BF-87	Hydraulic Fluid Dispensing Pump	4/15/88	
NA 17-15BF-89	Portable Hydraulic Power Supply	11/1/90	
NA 17-15BF-90	Test Stand Aircraft Hydraulic Systems A/M27T-6	9/15/94	
NA 17-15BF-91	Portable Hydraulic Power supply Electric Motor Driven	3/1/89	
NA 17-15BF-96	Hydraulic Fluid Purification Unit		
NA 17-15BH-501	Portable Pressurized Cabin Leakage Tester	4/1/75	
NA 17-600-101-6-1	Pre-Operational Maintenance Required Portable Hydraulic Supply	8/1/78	
NA 17-600-101-6-2	Portable Hydraulic Power Supply (Cal Maintenance Required)	4/7/98	
NA 17-600-107-6-1	Checklist Hydraulic Fluid Dispensing Unit	3/1/82	
NA 17-600-107-6-2	Hydraulic Fluid Dispensing Unit	12/15/89	
NA 17-600-127-6-1	Pre-Operational Checklist Portable Hydraulic Power Spray	8/1/90	

Document Number	Title	Basic Date	Reference
NA 17-600-127-6-2	Portable Hydraulic Power Supply	4/7/98	
NA 17-600-150-6-1	Portable Electric Motor Driven Hydraulic Power Supply	8/15/89	
NA 17-600-156-6-2	Test Stand, Aircraft Hydraulic System, AM27T-6	2/1/90	
NA 17-600-170-6-1	Pressure Jet Steam Cleaner	4/1/92	
NA 17-600-170-6-2	A/M48A-5 Pressure Jet Steam Cleaner	4/1/92	
NA 17-600-174-6-1	Tire Inflator Assembly Kit Dual Check Stem Gauge	4/1/94	
NA 17-600-174-6-2	Tire Inflator Assembly Kit Dual Check Stem Gauge	4/1/94	
NA 17-600-183-6-1	Lifting Slings for Aircraft and Related Components	10/1/97	
NA 17-600-19-6-2	Portable Pressurized Cabin Leakage Tester	2/1/87	
NA 17-600-91-6-1	Pre-Operational Checklist Dummy Load-Electrical	3/15/80	
NA 17-600-91-6-2	Dummy Load, Electrical Periodic Maintenance	3/1/89	
NA 19-10-504	Portable Floodlight Set	1/1/91	
NA 19-10-505	Portable Floodlight Set A/M42M-2A	10/1/97	
NA 19-105B-50	Trailer Mounted Gas Turbine Engine Driven	4/1/73	
NA 19-105B-56	Pneumatic Starter Duct Assembly	4/15/87	
NA 19-105B-59	Operation & Intermediate Maintenance Installs With /IPB Jet Aircraft Start Unit	12/1/91	
NA 19-1-137	Towbar: Aircraft	9/1/85	
NA 19-15-32	Aircraft Maintenance Platform	2/22/80	
NA 19-1-554	Pressure Washer, Engine, Hot Water	7/15/97	
NA 19-15-6	Aircraft Servicing Maintenance Platform Adjustment	4/1/75	
NA 19-15-7	Adjustable Aircraft Maintenance Platform	4/1/75	
NA 19-15-8	Platform, Adjustable Aircraft Maintenance	5/1/75	
NA 19-15BD-7	Lift Loader Adapter	4/1/93	
NA 19-20D-1	Jet Engine Corrosion Control Chart	1/1/91	
NA 19-25B-15	Air Nitrogen Servicing Unit	3/30/87	C-5.6.1.2.6
NA 19-25C-14	Pre-Oiler Jet Oil Servicing Pressure Oiling	11/1/90	
NA 19-25E-38	Transportation Trailer for Jet Engine	6/1/87	
NA 19-25E-51	Munitions Trailer Aero 51B	8/1/97	
NA 19-25E-59	Aircraft Jet Engine Installation and Removal	12/1/91	
NA 19-35-46	Compressor, Air, Portable Operation & Intermediate Maintenance with /IPB	4/15/93	

Document Number	Title	Basic Date	Reference
NA 19-40-45	Ground Support Towing Tractor	2/28/86	
NA 19-40-519	Aircraft Towing Tractor A/S32A-37	8/1/90	
NA 19-40-520	Support Equipment Towing Tractor A/S32A-30A	8/1/99	
NA 19-40-522	Aircraft Mid-Range Tow Vehicle	9/22/97	
NA 19-45-19	Mobile Electric Power Plant	4/1/93	
NA 19-45-20	Power Plant, Mobile Electric with IPB	6/1/00	
NA 19-600-135-6-1	A/C Hydraulic Jacks	1/1/98	
NA 19-600-135-6-2	Hydraulic Aircraft & Automotive Jacks & Stand	6/1/97	
NA 19-600-144-6-1	Mobile Electric Power Plant/Pre-operational Maintenance Requirements	5/15/90	
NA 19-600-144-6-2	Mobile Electric Power Plant	2/1/87	
NA 19-600-163-6-1	Pre-Operational Maintenance Requirement Nitrogen Servicing Unit NAN-3	6/30/92	
NA 19-600-167-6-2	Trailer Mounted Air Conditioning Unit	2/1/85	
NA 19-600-174-6-1	Spraying Unit, Corrosion Control Preparation Checklist	6/1/78	
NA 19-600-175-6-1	Aircraft Towbar-Pre-Operational Checklist	5/1/94	
NA 19-600-175-6-2	Towbar Aircraft	10/1/92	
NA 19-600-178-6-2	Preliminary/Periodic Maintenance Manual Universal Prop Dolly	5/1/80	
NA 19-600-186-6-1	Tractor, Wheeled AC Ground Support Equipment	6/15/92	
NA 19-600-186-6-2	Tractor, Wheeled AC Ground Support Equipment	6/15/92	
NA 19-600-19-6-1	B-4A, B-5A Pre-operational Maintenance Requirements	9/1/94	
NA 19-600-19-6-2	General Development Corp Deval Regent Mfg. Co United Steel	9/15/94	
NA 19-600-200-6-2	AC Jack Testers	5/1/81	
NA 19-600-201-6-2	Fluid Purifier	4/1/86	
NA 19-600-217-6-2	Jet Aircraft Start Unit A/M47A-4	10/1/95	
NA 19-600-229-6-2	Weapons Skid Lift Loading Adapter	8/1/88	
NA 19-600-231-6-2	Aircraft Towing Tractor	8/1/90	
NA 19-600-237-6-1	Portable Floodlight Set	6/1/92	
NA 19-600-237-6-2	Portable Floodlight Set	6/1/92	
NA 19-600-243-6-1	C-130 Towbar	6/1/88	
NA 19-600-24-6-1	Trailer Mounted Gas Turbine Engine Auxiliary Set	1/1/80	
NA 19-600-24-6-2	Trailer Mounted Gas Turbine Engine Driven Auxiliary Set	1/1/80	

Document Number	Title	Basic Date	Reference
NA 19-600-248-6-1	Periodic Maintenance Requirement Manual Dolly Assembly GTC C-130 Aircraft Peculiar SE	6/1/88	
NA 19-600-280-6-1	Pre-operational Checklist Compressor, Air, Portable ACU-20/M	12/1/91	
NA 19-600-280-6-2	Compressor, Air, Portable, ACU-20/M	7/15/92	
NA 19-600-284-6-1	Pre-Operational Checklist Support Equipment Towing Tractor	6/1/99	
NA 19-600-288-6-1	Pre-operational Checklist Aircraft Mid-Range Tow Vehicle	5/21/96	
NA 19-600-288-6-2	Aircraft Mid-Range Tow Vehicle	6/21/96	
NA 19-600-289-6-2	C-130 Peculiar Support Equip Aircraft Tripod Jacking System with /Power Unit	12/1/93	
NA 19-600-29-6-1	Engine Removal Stand Pre-operational Maintenance	6/1/85	
NA 19-600-29-6-2	Engine Removal Stand Calendar Maintenance	6/1/85	
NA 19-600-299-6-1	Pressure Washer, Engine, Hot Water	7/15/97	
NA 19-600-299-6-2	Pressure Washer, Engine, Hot Water	7/15/97	
NA 19-600-301-6-1	Pre-Operational Checklist Portable Floodlight	9/1/97	
NA 19-600-301-6-2	Periodic Maintenance Requirements Manual	9/1/97	
NA 19-600-36-6-1	Motor Generator Maintenance Requirements	1/15/89	
NA 19-600-42-6-1	Mobile Electric Power Plant	7/1/00	
NA 19-600-42-6-2	Electric Power Plant (Mobile)	5/15/86	
NA 19-600-58-6-1	Pre-Oiler Maintenance Cards	10/1/88	
NA 19-600-58-6-2	Pre-Oiler Heat Exchange/Jet Oil/Pressure Oil	8/1/89	
NA 19-600-77-6-2	Jet Engine Corrosion Control Cart	8/1/93	
NA 19-600-83-6-1	Portable Ground Gas Burning Heater Pre-Maintenance	3/15/85	
NA 19-600-83-6-2	Portable Ground Gas B Heater Maintenance	3/15/85	
NA 19-600-91-6-2	Rough Terrain Trailers Pre-Maintenance	4/15/95	
NA 19-60-72	Trailer Mounted Air Conditioning Unit	12/15/68	
NA 19-60-87	Trailer Mounted Air Conditioning Unit	9/1/88	
NA 19-70-41	Hand Jack Assembly, Tripod Jack		
NA 19-70-46	Index & Application Tables for A/C Jacks	11/1/89	
NA 19-70-521	Aircraft Jacks, Various	6/30/99	C-5.5.1.3
NAVWEPS 19-25E-46	Engine Transportation Trailer		
SE 16-600-1	Pre-Operational Checklist Hydraulic Lift Table (General)	12/31/99	
SE 17-1SE-CP	Usage of Plant Equipment, Fixtures, Tooling and Testing Equipment	3/16/98	

Document Number	Title	Basic Date	Reference
SE-02-600-2	Local Technical Manual Periodic Maintenance Requirements Manual	5/1/00	
SE-03-600-2	Local Technical Manual Periodic Maintenance Requirements Manual	5/1/00	
SE-04-600-1	Air Compressor	10/10/97	
SE-04-600-2	Rotary Wing Head Pressure Test Fixture	10/15/00	
SE-20-600-1	Pre-Operational Checklist Pitot-Static Adapter Kit	5/1/00	
SE-21-600-1	Pre-Operational Checklist	5/31/00	
SE-22-600-1	Pre-Operational Checklist Barrel Cart	5/31/00	
SE-23-600-1	Pre-Operational Checklist Storage and Transportation Cart	5/31/00	
SE-24-600-1	Gearbox Housing Dolly	10/1/00	
SE-25-600-1	Hydraulic Splitter Console	10/1/00	
SE-27-600-1	Water Cart	11/15/00	
SE-29-600-1	Ring Assembly Transport Dolly	12/1/00	
SE-31-600-1	Fuselage Dolly	2/15/01	
SE-33-600-1	Prop Dolly	5/1/01	
SE-53-600-1	Pre-Operational Checklist Hydraulic Power Supply Cart	2/1/00	
SE-H53-600-2	Special Support Equipment, Local Tech Manual	9/1/99	
SULLIVAN INDUSTRIES, INC	Portable Compressor Operator's Manual and Parts List	5/1/95	
T58-01-600-1	Stand, Aircraft Maintenance Engine-Universal	10/1/97	
TM 5-6115-615-34	Generator Set, Diesel Driven		
TM-5-6115-615-12	Generator Set, Diesel Engine Driven, Tactical Skid Mounted	7/31/87	
TM-5-6115-615-24P	Generator Set, Diesel Engine Driven, Tactical Skid Mounted	12/1/87	
TM-5-6115-615-34	Generator Set, Diesel Engine Driven, Tactical Skid Mounted	7/1/87	
TO 35D3-16-3-1	Aircraft Wheel Removal Trailer	8/15/82	
TO 35D3-3-25-1	Operating & Servicing & Repair Engine Tanks	5/1/59	
TO 35D3-3-25-4	Engine Transportation Trailer	5/1/59	
TO 35D3-3-71-1	Dolly QEC	7/31/98	
TO 35D3-38-4-3	Radome Dolly Assembly	7/15/76	
TO 35E7-2-11-11	Heater H-1 Diesel Fueled, Portable, Duct Type	4/12/90	
TO 36A10-3-5-83	MB-2 A/C Tow Tractor Maintenance and Overhaul		
TO 36A10-3-5-83-1	B Series Diesel Engine Cummins Engine Company, Inc. Columbus, IN	4/27/83	

Document Number	Title	Basic Date	Reference
TO 36A10-3-5-84	Aircraft Towing Tractor, DED-Type: MB-2	6/19/84	
TO 38G1-89-3	Engine Diesel Fueled, Air Cooled	4/12/90	
Woodward Governor	2301A Speed Control	1/19/89	
	American Welding Society Structural Welding Code Steel, D1.1		C-5.4.1.5
	Illustrated Parts Breakdown for Ground Support Equipment		
	Periodic Maintenance Card for Ground Support Equipment (MRC)		
	Sheetmetal and Air Conditioning Contractors National Association Thermoplastic Duct (PVC) Construction Manual		C-5.4.1.4

C-6.3 Applicable Forms

Table C-6.3 – Applicable Forms

Form Number	Title/Name	Date	CDRL (See TE 1)	Reference
CP 10230-3	Ventilation Systems Maintenance Inspection Record			
CP 10290/16	Daily Tool Inventory Sheet	1-98		
CP 10290/201	Damage Tool Report	11-98		
CP 10290/205	Expendable Tool Exchange	9-98		
CP 10290/210	Rollaway Inventory	9-98		
CP 10290/216	Entry of Rollaway/Toolbox	9-98		
CP 10290/5	Permanent Tool Custody	6-98		
CP 10290/71	Supervisor's Tool Control	6-98		
CP 11016/19A	Equipment Custody Card	1-00		
CP 11200/2	Motor Equipment Utilization Record Vehicle Maintenance Checklist Section			
CP 12335/1	Personal Hardship, Request for Accommodation	8-97		
CP 12410/15	Apprentice Monthly Work Report/Performance Appraisal	2-00		
CP 12410/33	Training Sign-in Sheet			
CP 12410/40	Performance Appraisal	5-98		
CP 12410/41	Course Quality Evaluation			
CP 12450/1	Recommendation for Special Achievement Award			
CP 12450/3	Recommendation for Informal Recognition Award	1-00		

Form Number	Title/Name	Date	CDRL (See TE 1)	Reference
CP 12630/2	Payroll Information Request	1-98		
CP 12630/5	Zero Sick Leave Award Request			
CP 12770/1	Grievance Submission (Union)			
CP 13440/11	Hydraulic Contamination Analysis	3-99		
CP 13700/202	Plant Equipment Checklist			
CP 13700/78	Items Not Found In Shop			
CP 13700/78A	Add Items to Shop			
CP 13700/78B	Transfer Items to Shop			
CP 2300/1	Facsimile Cover Sheet	1-00		
CP 2305/17	Change of Address (Civil)			
CP 3960/40	Micro-Purchase Worksheet	9-98		
CP 4121/3	Material Engineering Analysis Request			
CP 7230/5	Travel Request			
CP 4235/2	Service, Equipment, or Facilities Request		A021	C-5.1.1.3 C-5.4.1
CP 4235/24B	Material Request Form			
CP 4235/26	Component/Part Requisitions	5-99	A026	C-5.6.1
CP 4235/27	Lift Condition Inspection Record	2-91		
CP 4235/28	Floor Crane and Lift Tables	2-92		
CP 4270/4	Mini Servmart Order Sheet	1-98		
CP 4440/42	Projected/Schedule Overtime/Compensation Time	11-99		
CP 4730/20	Certification of Load Test			
CP 4730/22	Vertical Lift Conveyor Inspection			
CP 4730/23	Stacker Inspection			
CP 4730/43	Certification of Load Test			
CP 4730/5	Crane Maintenance Lubrication Inspection			
CP 4730/9	Crane Condition Inspection Record			
CP 4790/12-5	First Article Evaluation	2-00		
CP 4790/29	Aeronautical Equipment Service Record			
CP 4855	Corrective Action Request			
CP 4855/65	Special Process Certification	7-99		
CP 4855/57A	ISO 9002 Corrective/Depot Quality System Action Request			

Form Number	Title/Name	Date	CDRL (See TE 1)	Reference
CP 4855/60_	Individual Qualification Record	8-98		
CP 5100/11A	Navy Gas Free Certification			
CP 5100/2	Review of Lockout/Tagout	1-99		
CP 5100/25	Safety Shoe Authorization/Voucher			
CP 5100/2A	Property Damage Report	1-99		
CP 5100/2C	Bridge Crane Operator's Monthly Checklist (OMCL)			
CP 5102/1	Mishap Report form	1-00	A008	C-1.5.8.2
CP 5102/5	Hazardous Materials Inventory	7-92		
CP 5215/11	Manual Change Release			
CP 5220/58	Process Improvement Criteria (PIC) Program	3-99		
CP 5233/1	Computer Installation Request	3-00		
CP 5239/2	Virus Reporting Record	4-00		
CP 5239/3	Request for Network Access			
CP 5330/12	Overtime and Shift Assignment	7-98		
CP 5330/25	OJT Log	11-99		
CP 5330/8	Overtime	5-98		
CP 5512/20	Permit for Family Visit	6-96		
CP 5512/27	Dialogue	4-99		
CP 5512/31	Photographic Equipment Authorization			
CP 5512/33	Vehicle Registration	6-98		
CP 5520	Missing Tool Report			
CP 5605/11	Routing Sheet (Green-Internal; White-Information only; Yellow-Action)			
CP 6530/1	Blood Donor Certificate			
CP 7200/1	Trip Report (Short Form)	8-98		
CP 7230/5	Travel Request			
CP 7420/5	Previous Pay Period Adjustment			
CP 7520/1	ISO 9000 Cost Savings or Benefits			
DD 1556	Request, Authorization, Agreement, Certification of Training & Reimbursement			
DD 200	Financial Liability Investigation of Property Loss	10-99		
DD 844	Requisition for Local Duplicating Service	2-89		
DD 882	Report of Inventions and Subcontracts	1-99	A010	C-1.5.13

Form Number	Title/Name	Date	CDRL (See TE 1)	Reference
DD 1348-6	DoD Single Line Item Requisition System Document	2-85		
GEN7400/1	Court Attendance and Payment Certification			
MCAS 12335/6B	Merit Promotion Program Application	6-98		
NAVCOMPT 2282	Overtime/Compensatory Time Request and Authorization	2-83		
NAVFAC 9-112404-13 12-69	Operator's Inspection Guide and Trouble Report			
NAVMC 10964	Application for Government Vehicle Operators Permit			
OPM/71	Application for Leave			
OPNAV 4790/102	USN Aviation Support Equipment Operators License			
OPNAV 4790/58	Meter Card	7-74		
OPNAV 4790/51	Maintenance History Record			
OPNAV 4790/52	Support Equipment Pre-Operational Record			
OPNAV 5100/11	Navy Employee Report of Unsafe or Unhealthful Working Condition	11-92		
OPNAV 5100/9	Dispensary Permit			
OPNAV 5213/19	Request for New or Revised Forms	2-93		
OPNAV 5521/27	Visitor's Request			
Plant Account	Air Compressor Log Sheet			
PSDQR-0011	Plant Services Division Product & Service Quality Report			
SF1199A	Direct Deposit Sign-up Form	3-97		
SF312	Classified Information Non-Disclosure Agreement	1-91		
SF364	Report of Discrepancy (ROD)	2-80		
SF368	Product Quality Deficiency Report	10-85		
SF52	Request for Personnel Action			
	Criminal Record Check (CRC)		A006	C-1.5.7.5
	Information Assurance User Awareness Agreement		A006	C-1.5.7.5
	NAVAVNDEPOT CP Computer Access Request		A006	C-1.5.7.5
	Refrigerant Usage Report		A020	C-5.1.1.3
	Request for Worker Occupational Medical Surveillance Exam			

Section - 7 Workload

C-7.1 Introduction

Workload describes the SP's Activities and Tasks, workload indicators, and projected workload. It reflects historical data and known process changes.

C-7.2 Forecast**Table Key:**

Column "Current Year" – Current IM fiscal year workload

Column "Base Year" – Anticipated annual workload during the 1st year of AwardColumn "Out Years" – Projected workload during the 2nd – 5th year of the Award

C-5.2 Supervision		Workload Indicator	Current Year	Base Year	Out Years
C-5.2.1 – Provide SP Management Services					
Manage SP Performance					
C-5.3 Utilities Operations and Maintenance Services					
C-5.3.1.1 – Manage Compressed Air Systems					
Operate (i.e., startup, monitor, and shutdown) the compressed air systems in Table C-5.3.1.1		# systems operated	19	19	19
Take operational parameter readings of the systems in Table C-5.3.1.1 and record on Government-provided log forms		# parameter readings logged	9984	9984	9984
Collect all logs and deliver to the DGR by the last workday of each week		# delivered logs	988	988	988
Report failures to restore out-of-tolerance operational parameter readings of systems in Table C-5.3.1.1 using FEMA work order		# reported failures	300	300	300
Maintain (i.e., service or provide preventive or reactive maintenance) the compressed air equipment throughout the NADEP including the systems in Table C-5.3.1.1 and TE 3.3 – Air Compressor Systems		# repair requests	180	180	180
C-5.3.1.2 – Operate Facilities Management System					
Install FMS components for new equipment as well as direct replacements for existing systems		# installations	48	48	48
When alarm conditions exist, the SP shall troubleshoot and reset all false alarms promptly		# alarm conditions	2600	2600	2600

C-5.3 Utilities Operations and Maintenance Services	Workload Indicator	Current Year	Base Year	Out Years
If an alarm is genuine and represents a maintenance-related problem of the sensor or the equipment the sensor connects to, prepare a FEMA work order	# FEMA work orders	780	780	780
Manage the FMS system including troubleshooting genuine alarms and adjusting, repairing, or replacing defective FMS system components (sensors, controllers, multiplexors, etc) as required	# maintenance-related problems	780	780	780
Manage the Metasys ® application by installing government provided software updates and maintaining associated databases	# of occurrences	72	72	72
C-5.3.1.3 – Maintain Emergency Generators				
Maintain emergency generators (i.e., service of provide reactive maintenance)	# maintenance-related problems	29	29	29
Operate (startup, shutdown, and stow as required) emergency generators when requested on a FEMA work order or as the Government may direct without a FEMA work order under emergency conditions	# occurrences	6	6	6
Prepare FEMA work orders for all maintenance-related problems when working on or operating an emergency generator	# FEMA work orders prepared	29	29	29
C-5.3.1.4 – Maintain Steam Systems				
Maintain, without non-scheduled disruptions to production requirements, all aboveground steam lines and associated equipment from the point at which steam lines enter the steam system in each building	# of steam repairs on FEMA work orders	1226	1226	1226
Assist the Government in an annual steam trap survey on approximately 892 traps throughout the Depot	# assistance annual steam trap survey	1	1	1
Prepare FEMA work order for all maintenance-related problem	# maintenance-related problems	119	119	119
C-5.3.1.5 – Respond to Sewage and Industrial Waste Spills and Stoppages				
Provide a three-person working party to report to the spill or stoppage site and begin containment, repair, and cleanup under the direction of a DGR	# spills or stoppage	27	27	27
C-5.3.1.6 – Maintain Potable Water Systems				
Provide first response and fault isolation services for all aboveground potable water system leaks and outages within the Depot	# first response and fault isolations	7	7	7
Prepare FEMA work orders if a leak or outage requires maintenance	# maintenance-related problems	7	7	7
C-5.3.1.7 – Restart Chilled Water and Air Conditioning Systems				

C-5.3 Utilities Operations and Maintenance Services	Workload Indicator	Current Year	Base Year	Out Years
In FMS, check the operational status of the systems in Table C-5.3.1.7 between 05:30 and 06:30 each day of normal Depot operating hours ensuring these systems are online to support production areas.	# inspections	4160	4160	4160
Restart any offline systems manually IAW system operation manuals or as specified in a FEMA work order	# system restarts	520	520	520
Once on the 1 st and 2 nd shift, the SP shall take operational parameter readings of the systems in Table C-5.3.1.7 and record readings on Government-provided log forms	# parameter readings logged	8320	8320	8320
Collect all logs and deliver them to the DGR by the last workday of every other workweek	# delivered logs	416	416	416
Using FEMA work orders, report failures to restore out-of-tolerance operational parameter readings of systems in Table C-5.3.1.7	# reported failures	104	104	104
C-5.3.1.8 – Perform Seasonal Startup and Shutdown of LP Gas Heating Systems				
Perform seasonal startup and shutdown of LP gas heat systems	# seasonal startups/shutdowns	60	60	60
C-5.3.1.9 – Provide Notification of Service Reduction				
In the event of any planned SP-caused service reduction (i.e., reduction or shutdown), the SP shall confirm the service reduction with the DGR at least 5 working days in advance of the reduction	# notifications	48	48	48
C-5.4 Manufacturing and Installation Services				
C-5.4.1.1 – Perform Woodworking Services				
Fabricate, assemble, build, and install custom wooden and composite products such as cabinets, benches, worktables, furniture, dollies, and production support equipment	# woodworking service FEMA work orders	229	229	229
C-5.4.1.2 – Perform Painting Services				
Apply corrosion preventive, protective, and decorative finishes to manufactured wood, metal, and plastic products as specified in work orders	# painting service FEMA work orders	74	74	74
C-5.4.1.3 – Perform Sheetmetal Fabrication Services				

C-5.4 Manufacturing and Installation Services		Workload Indicator	Current Year	Base Year	Out Years
Manufacture, install, modify, and fabricate sheetmetal products including safety shields, guards, control panels for production test stands, and parts cleaning baskets		# sheetmetal fabrication FEMA work orders	92	92	92
Manufacture embossed, metal aircraft parts identification tags (burr tags)		# ID tag work orders that manufactured 229,469 tags	879	879	879
C-5.4.1.4 – Perform Plastic Fabrication Services					
Manufacture chemical-resistant tanks, ductwork, ventilation systems, piping, filtering mechanisms, and other production equipment from thermoplastic materials		# plastic fabrication FEMA work orders	36	36	36
C-5.4.1.5 – Provide Metal Fabrication Services					
Fabricate and assemble metal plant equipment and structures.		# metal repair FEMA work orders	109	109	109
C-5.4.1.6 – Perform Production Equipment Installation Services					
Install, upgrade, modernize, relocate, retrofit, and modify production plant equipment		# production equipment installation FEMA work orders	51	51	51
C-5.4.1.7 – Perform Signage Services					
Fabricate, maintain, replace, and install signs throughout the Depot (e.g., street, unit, directional, regulatory, individual group reserved parking, Depot perimeter boundaries, fire prevention, physical and classified activity, control, off limit, restricted area, special event, and any other signs requested by authorized customers aboard the Depot)		# sign FEMA work orders	203	203	203
C-5.4.1.8 – Provide Limited Design Services					
Depot engineers may require assistance from SP artisans designing ductwork for ventilation systems, retrofitting production machinery, developing a tooling prototype, etc.		# engineering services requested	260	260	260
C-5.5 Inspection, Testing, and Certification Services					
C-5.5.1.1 – Test and Certify Overhead Hoists		Workload Indicator	Current Year	Base Year	Out Years

C-5.5 Inspection, Testing, and Certification Services	Workload Indicator	Current Year	Base Year	Out Years
Perform annual maintenance inspection on all: <ul style="list-style-type: none"> • Overhead hoists ranging from 500 lbs. to 2,000 lbs. • Monorail hoists ranging from 250 lbs. to 12,000 lbs. • Overhead traveling bridges ranging from 500 lbs. to 10,000 lbs. • Jib hoists ranging from 250 lbs. to 6,000 lbs. • Mobile cranes ranging from 7.5 tons to 35 tons 	# annual maintenance inspections	337	337	337
Perform annual condition inspections on all: <ul style="list-style-type: none"> • Overhead hoists ranging from 500 lbs. to 2,000 lbs. • Monorail hoists ranging from 250 lbs. to 12,000 lbs. • Overhead traveling bridges ranging from 500 lbs. to 10,000 lbs. • Jib hoists ranging from 250 lbs. to 6,000 lbs. • Mobile cranes ranging from 7.5 tons to 35 tons 	# annual condition inspections	337	337	337
Perform annual load testing on all: <ul style="list-style-type: none"> • Overhead hoists ranging from 500 lbs. to 2,000 lbs. • Monorail hoists ranging from 250 lbs. to 12,000 lbs. • Overhead traveling bridges ranging from 500 lbs. to 10,000 lbs. • Jib hoists ranging from 250 lbs. to 6,000 lbs. • Mobile cranes ranging from 7.5 tons to 35 tons 	# annual load tests	337	337	337
Manage the WHE program including generating and processing inspection and testing paperwork as well as maintaining records of annual hoist certifications as required by NAVFAC P-307, <i>Management of Weight Handling Equipment</i> and NAVAVIDEPOTINST 11450.1 <i>Weight Handling Equipment Management Program</i> .	# annual hoist certifications managed	337	337	337
Perform condition inspection and load testing as required after reactive maintenance repair of any load bearing, load controlling, or operational safety devices	# condition inspections after repair	246	246	246
Prepare a FEMA work order if the inspection or certification results in a maintenance-related problem	# maintenance-related problems	1070	1070	1070
C-5.5.1.2 – Inspect and Test Aircraft Restraining Devices				
Perform inspections and proofload testing of aircraft restraining devices IAW NAVAIR 17-1-537, <i>Aircraft Restraining Devices and Related Components</i>	# inspections and proofload testing	59	59	59

C-5.5 Inspection, Testing, and Certification Services	Workload Indicator	Current Year	Base Year	Out Years
Prepare a FEMA work order if the inspection and proofload testing performed at MCAS CP results in a maintenance-related problem. For locations other than MCAS CP, document the problem and submit to the host activity if the inspection and proofload testing results in a maintenance-related problem	# maintenance-related problems	59	59	59
C-5.5.1.3 – Perform Load Tests				
Proofload test, and certify aircraft jacks ranging in capacity from 10 to 30 tons	# proofload, tested and certified	981	981	981
Prepare a FEMA work order if the load test results in a maintenance-related problem	# maintenance-related problems	30	30	30
C-5.6 Reactive Maintenance Services				
C-5.6.1.1 – Repair Industrial Controls				
Repair complex industrial control systems	# industrial controls systems FEMA work orders	3205	3205	3205
Repair complex machine tools	# machine tool FEMA work orders	2482	2482	2482
Repair weight-handling equipment including overhead hoists, jib cranes, and mobile cranes, as described in Section C-5.5.1.1	# overhead hoists FEMA work orders	1337	1337	1337
C-5.6.1.2 – Repair Ground Support Equipment				
Perform mechanical and electrical repairs on GSE such as work stands, engine trailers, transportation dollies, mobile power units, jacks, and all components associated with the equipment	# GSE mechanical and electrical FEMA work order repairs	1548	1548	1548
Inspect, repair, maintain, operate, and test portable cooling equipment and related components up to 25 tons	# GSE portable air conditioning FEMA work order repairs	33	33	33
Remove, repair, replace, and install aeronautical support equipment tires and wheels of three basic types: solid rim, split rim, and demountable flange	# GSE tire and wheel FEMA work order repairs	646	646	646
Setup, operate, adjust, and reconfigure electrical and diesel-powered hydraulic-service units, purifying systems and associated hoses, valves, gauges, connectors, and devices	# GSE hydraulic service FEMA work order repairs	964	964	964

C-5.6 Reactive Maintenance Services	Workload Indicator	Current Year	Base Year	Out Years
Inspect, test, repair, and perform intermediate level maintenance on Model GTC-100-82 gas turbine engines for aircraft air starter units IAW technical publications A1 580AB-IPB-400, <i>Pneumatic and Shaft Power Gas Turbine Engine</i> and A1 580AB-MMI-200, <i>Pneumatic and Shaft Power Gas Turbine Engine</i>	# GSE gas turbine engine FEMA work order repairs	47	47	47
Inspect, test, and repair Model NAN-4, NAN-3, and NAN-2 nitrogen servicing carts	# GSE high pressure gas cart FEMA work order repairs	33	33	33
C-5.6.1.3 – Provide Metal Repair Services				
Repair metal products, plant equipment, and metal structural components.	# metal repair FEMA work orders	821	821	821
C-5.6.1.4 – Provide Pipefitting Services				
Adjust, repair, unclog, and replace leaky joints, valves, and lines as required to maintain proper and efficient operation of all related piping systems to include air, steam, and water	# pipefitting FEMA work orders	382	382	382
C-5.6.1.5 – Provide Sheetmetal Repair Services				
Perform sheetmetal repairs to buildings, structures, facilities, and installed plant equipment	# sheetmetal repair FEMA work orders	596	596	596
C-5.6.1.6 – Repair Heating, Ventilation, Air Conditioning and Refrigeration Systems				
Inspect, repair, maintain, operate, and test HVAC&R and evaporative cooling equipment and their components up to 500 tons	# HVAC&R repairs on FEMA work orders	3344	3344	3344
Service, inspect, maintain, repair, and monitor environmentally controlled facilities IAW NAVAIRDEPOTINST 11100.1, <i>Environmentally Controlled Facilities</i>	# environmentally controlled facility FEMA work order repairs	250	250	250
Service, inspect, maintain, repair, and monitor industrial compound freezers IAW LES CP 08-0-Q-5693, <i>Paragraph 8.3.2</i>	# industrial compound freezer FEMA work order repairs	43	43	43
Perform air balancing, measure, and record the volume of airflow (CMF) within buildings IAW industry standards and NAVFAC MO-114, <i>Maintenance and Operation of Ventilation Systems</i>	# air balancing FEMA work order repairs	3	3	3
Repair all maintenance-related problems discovered while treating cooling water or cleaning hydronic systems	# maintenance-related problems	46	46	46

C-5.6 Reactive Maintenance Services		Workload Indicator	Current Year	Base Year	Out Years
C-5.6.1.7 – Provide Woodworking and Carpentry Repair Services					
Perform woodworking and carpentry services required for maintenance and repair to the interiors and exteriors of buildings, facilities, and structures within the Depot		# woodworking and carpentry FEMA work order repairs	899	899	899
C-5.6.1.8 – Provide Maintenance Painting					
Perform painting services for support equipment, and to the interior and exteriors of buildings, structures, facilities, and plant equipment		# maintenance painting FEMA work orders	634	634	634
C-5.7 Preventive Maintenance Services		Workload Indicator	Current Year	Base Year	Out Years
C-5.7.1.1 – Maintain Ground Support Equipment					
Maintain GSE IAW OPNAV 4790.2, NAMP, procedures outlined in related technical publications and Maintenance Requirement Card (MRC)		# GSE PM FEMA work order jobs	5217	5217	5217
Perform hydraulic fluid contamination control for GSE IAW OPNAV 4790.2, Volume 2, Chapter 4.18 and NAVAVNDEPOTINST 13440.1, <i>Hydraulic Contamination Prevention and Control Program</i> . Follow decontamination and purification procedures IAW NA 01-1A-17, <i>Aviation Hydraulics Manual</i>		# hydraulic samplings	3240	3240	3240
C-5.7.1.2 – Maintain Ventilation Systems					
Maintain ventilation systems IAW NAVAVNDEPOTINST 10230.1, <i>Ventilation and Exhaust Equipment Maintenance Operation Program</i> and FEMA work orders		# ventilation system PM FEMA work order jobs	1324	1324	1324
C-5.7.1.3 – Manage Hydronic Systems Cooling Water					
Manage cooling water chemistry of hydronic systems		# hydronic systems maintained	41	41	41
Clean cooling towers: <ul style="list-style-type: none"> Keep cooling tower cold water collection basins free of sediment and debris Keep hot water basins, nozzles, fill, and drift eliminators clean so that cooling water can flow through the system at rated amounts. 		# cooling towers cleaned	18	18	18
Install, maintain, and analyze corrosion coupons in each hydronic system		# corrosion coupons	41	41	41

C-5.7 Preventive Maintenance Services		Workload Indicator	Current Year	Base Year	Out Years
Provide a semiannual corrosion report to the DGR with information pertaining to each hydronic system		# hydronic system semiannual reports	2	2	2
Provide a monthly report to the DGR with information pertaining to each closed loop system		# closed loop monthly reports	12	12	12
Provide a weekly report to the DGR with information pertaining to each open loop system		# open loop weekly reports	52	52	52
Prepare FEMA work order for all maintenance-related problems discovered while treating cooling water or cleaning hydronic systems		# FEMA work order jobs	43	43	43
C-5.7.1.4 – Maintain Industrial Plant Equipment					
Perform PM procedures on industrial plant equipment as outlined in associated job plans		# industrial plant equipment PM FEMA work orders	6611	6611	6611
C-5.7.1.5 – Maintain Heating, Ventilation, Air Conditioning & Refrigeration Systems					
Perform PM procedures on HVAC&R equipment as outlined in associated job plans		# HVAC&R PM FEMA work orders	1806	1806	1806
C-5.8 Command Support		Workload Indicator	Current Year	Base Year	Out Years
C-5.8.1.1 – Provide Destructive Weather Services					
Maintain a roster of designated personnel for destructive weather support as required by NAVAVNDEPOTINST 3140.1, <i>Destructive Weather Plan</i>		As required	1	1	1
Under destructive weather conditions, provide personnel from the roster as well as other personal as directed by the DGR		As required	2	2	2
C-5.8.1.2 – Provide Special Event Support					
Provide construction of wood staging, booths, steps, platforms, and handrails; temporary installation of signs, banners, and barricades; setup and arrangement of five to ten portable tables and up to three hundred chairs; and setup of portable generators, lights, and electrical outlets		# special event support FEMA work order jobs	4	4	4
C-5.8.1.3 – Provide Public Address System Services					
Provide the setup, adjustment, and monitoring of audio systems at various locations to include NADEP buildings as well as the surrounding community of Havelock and Newport, NC		# public address system FEMA work order jobs	7	7	7

Technical Exhibits

TE 1.1 Contract Data Requirements List

See separately bound Technical Exhibit 1.1.

TE 2.1 Government Furnished Facilities

See separately bound Technical Exhibit 2.1.

TE 2.2 Government Furnished Equipment

See separately bound Technical Exhibit 2.2.

TE 2.3 Government Furnished Services

See separately bound Technical Exhibit 2.3.

TE 3.1 Sample FEMA Work Order

See separately bound Technical Exhibit 3.1.

TE 3.1.1 Sample Workload Planning Conference Agenda

See separately bound Technical Exhibit 3.1.1.

TE 3.2 FEMA Work Instructions

See separately bound Technical Exhibit 3.2.

TE 3.3 Air Compressor Systems

See separately bound Technical Exhibit 3.3.

TE 3.3.1 Compressed Air System Work Orders

See separately bound Technical Exhibit 3.3.1.

TE 3.4 Emergency Generator Work Orders

See separately bound Technical Exhibit 3.4.

TE 3.5 Steam Trap Listing

See separately bound Technical Exhibit 3.5.

TE 3.5.1 Steam System Work Orders

See separately bound Technical Exhibit 3.5.1.

TE 3.6 Potable Water System Work Orders

See separately bound Technical Exhibit 3.6.

TE 3.7 Gas Heating Systems and Locations

See separately bound Technical Exhibit 3.7.

- TE 3.8 Woodworking Work Orders**
See separately bound Technical Exhibit 3.8.
- TE 3.9 Painting Work Orders**
See separately bound Technical Exhibit 3.8.
- TE 3.10 Sheetmetal Work Orders**
See separately bound Technical Exhibit 3.10.
- TE 3.11 Embossed, Metal Aircraft Parts Identification Tag manufacturing Work Orders**
See separately bound Technical Exhibit 3.11.
- TE 3.12 Metal Fabrication Work Orders**
See separately bound Technical Exhibit 3.12.
- TE 3.13 Production Equipment Installation Work Orders**
See separately bound Technical Exhibit 3.13.
- TE 3.14 Sign Work Orders**
See separately bound Technical Exhibit 3.14.
- TE 3.15 Hoist Inventory**
See separately bound Technical Exhibit 3.15.
- TE 3.16 Aircraft Restraining Devices and Locations**
See separately bound Technical Exhibit 3.16.
- TE 3.17 Ground Support Jacks**
See separately bound Technical Exhibit 3.17.
- TE 3.18 FEMA Plant Equipment**
See separately bound Technical Exhibit 3.18.
- TE 3.19 Equipment Installation Plan (Sample)**
See separately bound Technical Exhibit 3.19.
- TE 3.20 Industrial Controls Work Orders**
See separately bound Technical Exhibit 3.20.
- TE 3.21 Machine Tool Work Orders**
See separately bound Technical Exhibit 3.21.

- TE 3.22 Overhead Hoist Work Orders**
See separately bound Technical Exhibit 3.22.
- TE 3.23 GSE Mechanical and Electrical Work Orders**
See separately bound Technical Exhibit 3.23.
- TE 3.24 GSE Portable Air Conditioner Work Orders**
See separately bound Technical Exhibit 3.24.
- TE 3.25 GSE Tire & Wheel Work Orders**
See separately bound Technical Exhibit 3.25.
- TE 3.26 GSE Hydraulic Cart Work Orders**
See separately bound Technical Exhibit 3.26.
- TE 3.27 GSE Aircraft Starter Work Orders**
See separately bound Technical Exhibit 3.27.
- TE 3.28 GSE High-Pressure Gas Cart Work Orders**
See separately bound Technical Exhibit 3.28.
- TE 3.29 Metal Repair Work Orders**
See separately bound Technical Exhibit 3.29.
- TE 3.30 Pipefitting Work Orders**
See separately bound Technical Exhibit 3.30.
- TE 3.31 Sheetmetal Repair Work Orders**
See separately bound Technical Exhibit 3.31.
- TE 3.32 HVAC&R Repair Work Orders**
See separately bound Technical Exhibit 3.32.
- TE 3.33 Environmentally Controlled Facilities**
See separately bound Technical Exhibit 3.33.
- TE 3.34 Industrial Compound Freezer Repair Work Orders**
See separately bound Technical Exhibit 3.34.
- TE 3.35 Cooling Tower Work Orders**
See separately bound Technical Exhibit 3.35.
- TE 3.36 Woodwork and Carpentry Repair Work Orders**
See separately bound Technical Exhibit 3.36.

TE 3.37 Maintenance Painting Work Orders

See separately bound Technical Exhibit 3.37.

TE 3.38 Ground Support Equipment

See separately bound Technical Exhibit 3.38.

TE 3.38.1 GSE Associated Job Plans (Sample)

See separately bound Technical Exhibit 3.38.1.

TE 3.39 Ventilation Systems

See separately bound Technical Exhibit 3.39.

TE 3.39.1 Ventilation System Associated Job Plans (Sample)

See separately bound Technical Exhibit 3.39.1.

TE 3.40 Hydronic Systems

See separately bound Technical Exhibit 3.40.

TE 3.40.1 Hydronic Systems Locations

See separately bound Technical Exhibit 3.40.1.

TE 3.41 Industrial Plant Equipment

See separately bound Technical Exhibit 3.41.

TE 3.41.1 Industrial Plant Equipment Associated Job Plans (Sample)

See separately bound Technical Exhibit 3.41.1.

TE 3.42 HVAC&R Systems

See separately bound Technical Exhibit 3.42.

TE 3.42.1 HVAC&R Associated Job Plans (Sample)

See separately bound Technical Exhibit 3.42.1.

TE 3.43 Special Event Support Work Orders

See separately bound Technical Exhibit 3.43.

TE 3.44 Public Address System Work Orders

See separately bound Technical Exhibit 3.44.